

REPORT

of the

Local Board of Health



THE ROYAL SOCIETY
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OF HEALTH
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THE CITY OF EDMONTON

ALBERTA

1960



BOARD OF HEALTH, 1960

Dr. W. Orobko, Chairman

Dr. S. Smulski

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Dr. P. B. Rose

Dr. J. P. Moreau, Edmonton Separate School Board Dr. R. H. Blaquiere, Edmonton and District Dental Society

EX-OFFICIO MEMBERS

His Worship the Mayor

Dr. G. M. Little, M.O.H.

Mr. J. D. A. MacDonald, City Engineer

Catharine Rose, Secretary

BOARD OF HEALTH, 1959

Dr. W. Orobko, Chairman

Dr. S. Smulski

Ald. Mrs. E. Wilson Ald. Mrs. M. L. Douglas Dr. P. B. Rose

Dr. J. P. Moreau, Edmonton Separate School Board Dr. R. H. Blaquiere, Edmonton and District Dental Society

EX-OFFICIO MEMBERS

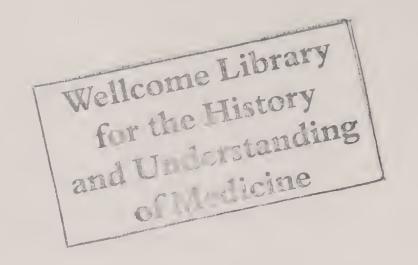
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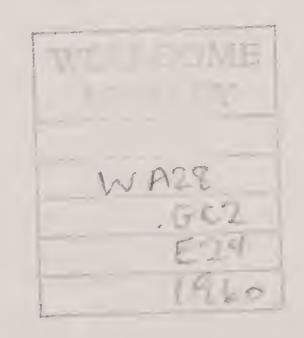
STAFF

Medical Officer of Health	· · ·
Asst. Medical Officer of Health	J. C. Gillespie, M.B., Ch.B., D.C.H., D.P.H.
Physician, Chief Pediatrics	D. B. Leitch, B.A., M.D., F.R.C.P.(C), F.A.A.P.
Physician, Pediatrics	. L. Beauchamp, B.Sc., M D., R.C.P.S.(C)
Physician, Pediatrics	
Physician, Pediatrics	K. Swallow, B.Sc., M.D., R.C.P.S. (C)
Physician, School Health	O. B. Bode, M.D., M.R.C.S., L.R.C.P.
Physician, School Health	M. Boeske, M.D.
Physician, School Health	C. Dafoe, M.D., D.A.
Physician, School Health	M. Newell, M.B., L.M.C.C.
Physician, School Health	D. Patrick, B.A., M.B., Ch.B.
Dental Director, School Health	M. B. Levitt, D.D.S.
Dentist, School Health	J. Edwardh, D.D.S.
Dentist, School Health	H. Fayerman, D.D.S.
Dentist, School Health	M. Stechishin, D.D.S.
Sr. School Nurse	Crookshanks, Miss E., B.Sc., P.H.
Sr. Nurse, Well Baby Clinic	Christensen, Miss S. C.
Sr. Nurse, Inoculation Clinic	Griffith, Miss M.
Chief Sanitary Inspector	
Milk and Dairy Supervisor	Meredith, R. B., C.S.I. (C)
Chief Food Inspector	Pennifold, K., V.S.
Secretary, Board of Health	Rose, Miss C. R.



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Annual Report of the Medical Officer of Health

Chairman and Members Local Board of Health Edmonton, Alberta.

Madam and Gentlemen:

I herewith present to you for your consideration the annual report of the services of the Local Board of Health for 1960.

The population of Edmonton in 1960 was recorded as 269,314—an increase of 8,581 or 3.3% over the 1959 figure. The natural increase was 6,968. Therefore, 1,613 people immigrated to the city.

The stillbirth rate rose slightly to 10.5 per thousand live births. The low recorded in this city was 8.4 in 1958. There were no maternal deaths during the year.

Disease of the heart and cancer remain the prime causes of death of our citizens. Deaths due to external causes continue to rise—1.9% increase in the last year. In the preceding decade, a 24.5% increase is noted—an average of 2.5% rise each year. In the field of life saving, the problem of violent death is urgent. Until each individual considers this to be a matter of personal concern, there is no doubt but that the present pattern will continue.

Forty-six cases of poliomyelitis occurred during the year, three of whom died. Two of those who died were over forty years of age. In this connection it is of considerable interest to note a decrease in the number of adults presenting themselves at the clinics for poliomyelitis immunization, despite frequent appeals to obtain immunization. It is not surprising, but nevertheless regrettable, that the poliomyelitis season almost invariably presents a rush of adults for immunization.

During the five-year period 1956-1960, the incidence of venereal disease has increased, 86% of cases occurring in the twenty-thirty-nine year agegroup. No doubt resistant strains of organisms are developing. However, it is difficult to believe that this accounts for the total increase.

Early in the year, the Alberta Tuberculosis Association undertook a miniature X-ray survey of the north-central area of the city. This is a somewhat congested area of the city where the incidence of tuberculosis appeared somewhat high. Despite considerable groundwork, the turn-out of citizens was not good and no extraordinary incidence of tuberculosis was revealed.

On the first day of June, the Idylwylde Clinic was opened. This building contains facilities for a well baby clinic, an immunization clinic, dental office, district nurses and a sanitarian. The early attendance at the clinic has been up to expectation.

The school population of the city in 1960 stood at 57,490. In the fall of the year, a pilot project involving the reduction from three periodic examinations in school life to two periodic examinations was undertaken in a few selected schools.

In the field of sanitation, problems were not lacking, but generally standards are comparably high. Consistent and commendable efforts have been made towards improvement in food processing and handling.

December, 1960 marked the retirement of Dr. G. M. Little as Medical Officer of Health after 23 years of outstanding service. His unfailing ability and leadership will be sorely missed in the field of Public Health.

Appreciation is also due to the voluntary organizations, governmental departments and the new media who have so freely assisted your staff in the performance of their duties.

Throughout the year, the thoughtful consideration and support of the Local Board of Health in handling our many problems has proved a great asset in the success in this department.

Yours truly,

G. H. BALL, M.B., D.P.H., Medical Officer of Health.

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EAFENDI ORES 1760	Salaries	Furniture and Office Supplies	Milk and Glasses	Medical Supplies	Printing, Postage and Stationery	Transportation and Cars	Telephones, Advertising and Travelling.	Uniforms	Miscellaneous	Insurances and Pensions	Space and Maintenance

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Cost per Capita—\$1.75

Total -ibnəqxA səxut	\$374,099	7,228	1,466	4,954	5,727	13,965	2,253	099	1,850	11,314	47,493	\$471,109	100%
Bathhouse	\$239		1		1	1	1	1	1	1		\$239	190
School Health Services	\$189,248	4,967	1,466	3,797	2,662	5,616	475	129	687	4,296	14,113	\$227,456	48.3%
LatiV asitaitat2	\$1,649	1	1	1	1		1	1	1	1		\$1,649	40%
noitstins2	\$48,625	64	1	2	324	3,376	189	128	51			\$52,759	11.2%
Well Baby Clinics	\$52,029	547	1	263	908	1,999	581	243	427	1	13,936	\$70,831	15.0%
Food and Meat Control	\$8,891		1	1	16	420	1	1	62	1	1	\$9,406	20%
Milk and Usiry Ropervision	\$12,978	37		വ	25	1,787	115		4			\$14,961	3.2%
Communi- cable Disease Control	\$39,277	1,286		790	511	287	503	160	487		13,919	\$57,220	12.1%
-zinimb A noi3s13	\$21,163	327	:	97	y. 1,383	480	390	1	105	7,018	5,525	\$36,488	7.7%
	Salaries	Furniture and Office Supplies	Milk and Glasses	Medical Supplies	Printing, Postage and Stationery	Transportation and Cars	Telephone, Advtg., Travelling	Uniforms	Miscellaneous	Insurance, Pensions	Space and Maintenance		

SUMMARY OF STATISTICS

Area of City—56.47 square miles

	1960	1959	1958	1957	1956
Population	269,314	260,733	252,131	238,353	224,003
Persons per acre of land		8.8			7.8
Cost per capita	1.75	1.63	1.53	1.24	1.17
School enrolment	57,490	53,490	50,173	46,682	42,645
Natural increase of population	6,986	6,889	6,843	6,667	6,409
BIRTHS					
Total births	12,847	12,425	12,072	11,513	11,035
Resident births only	8,705	8,599	8,408	8,186	7,821
Resident rate per 1000 population	32.3	32.9	33.3	34.3	35.1
STILLBIRTHS					
Total stillbirths	142	138	109	135	135
Resident stillbirths only	92	84	71	86	92
Resident stillbirths rate per 1000 living births	10.5	9.8	8.4	10.5	11.7
DEATHS					
Total deaths	2,552	2,460	2,313	2,284	2,191
Resident deaths only	1,737	1,710	1,565	1,519	1,412
Resident rate per 1000 population	6.5	6.5	6.2	6.3	6.3
INFANT MORTALITY					
Total deaths under 1 year of age	326	275	304	277	254
Resident deaths under 1 year of age	199	168	187	174	169
Resident rate per 1000 living births	22. 8	19.5	22.2	21.2	21.6
MATERNAL MORTALITY					
Maternal deaths (Resident only)	0	2	2	1	1
Rate per 1000 living births	.00	.23	.23	.12	.12
MARRIAGES					
Marriages	3,471	3,270	3,149	3,121	2,967
Rate per 1000 population		12.3		13.1	13.2

VITAL STATISTICS

BIRTHS	1960	1959	1958	1957	1956
Total births	12,847	12,425	12,072	11,513	11,035
Resident births only	8,705	8,599	8,408	8,186	7,821
Male	4,518	4,389	4,339	4,106	4,079
Female	4,187	4,210	4,069	4,080	3,742
Double Births					
(Residents only)	101	82	82	76	80
Triple Births					
(Residents only)	3	1	1		3
Resident					
Illegitimate births	463	474	374	348	375
Total Illegitimate births	788	770	647	637	603
Born in Institutions					
(Residents)	8,702	8,598	8,401	8,185	7,819
Maternal Parentage:					
Canada	6,898	6,645	6,436	6,476	6,278
British Isles		431	471	361	367
Europe and Asia		1,399	1,388	1,235	1,027
U.S.A		105	105	94	118
Other Countries	25	19	8	20	31

RESIDENT LIVE BIRTHS BY AGE OF MOTHER AND ORDER OF BIRTH 1960

			1700				Over		
-14	14-19	20-24	25-29	30-34	35-39			Total	%
1st Child 4	620	1,284	549	170	59	13	2	2,810	31.0
2nd Child	164	966	776	292	101	20		2,319	26.6
3rd Child —	34	416	623	375	164	36	2	1,650	19.0
4th Child —	6	136	363	324	191	40	3	1,063	12.2
5th Child —		26	126	172	104	30	3	461	5.2
6th Child —		8	49	101	84	18		260	3.0
7th Child —	_		20	5 9	48	11	3	141	1.6
8th Child —			11	15	28	5	1	60	.7
9th Child —			2	10	6	2	—	20	.2
10th Child			_			•		00	_
and over —			1	11	11	6	1	30	.5
4	824	2,836	2,520	1,529	796	181	15	8,705	100
									4 4
STILLBIRTHS			1960	1959		1958		1957	1956
Total Stillbirths			142	138	}	109		135	135
Resident Stillbirths of	only			84		71		86	92
Male				50		38		39	50
Female				34		33		47	42
Born in Institutions			92	84		71		86	92
Cause of Foetal Dead			0	or	7	00		07	49
Dystocia				27 6		22 9		$\frac{27}{4}$	43
Prematurity Toxemia of Pregna				2		3		3	3
Syphilis			8	_	•	_		_	_
Malformation			17	16		12		19	8
Placenta and Memb	oranes			12	2	10		24	<i>t</i> 8
Traumatism, Overv	vork		31	$\frac{-}{21}$		9		9	$\frac{-}{26}$
Other Conditions				21	•	9		9	20
DEATHS			1960	1959		1958		1957	1956
Total Deaths			2,552	2,460) 2	2,313	2	2,284	2,191
Resident Deaths only				1,710) 1	,565	1	l, 5 19	1,412
Male			1,087	1,035		1,002		927	880
Female			650	675		563		592	532
Resident rate per 1,00	oo pop	ulation	6.5	6.5		6.2		6.3	6.3
Racial Origin:			4.027	450		E 4 17		609	519
Canada			487	453 523		547 454		602 443	$\begin{array}{c} 513 \\ 241 \end{array}$
British Isles Europe and Asia		• • • • • • • • • • • • •	230 480	481		429		352	358
U.S.A			113	96		109		101	76
Others				157	,	26		21	24
INFANT MORTALIT	v		1960	1959	1	1958		1957	1956
				$\frac{1333}{275}$		304		277	254
Total deaths under 1				168		187		174	169
Resident deaths under Male			$199 \\ 125$	103		121		92	89
Female				65		66		82	80
Legitimate				161		176		157	152
Infant mortality rate	ner								
1,000 living births			22.8	19.5		22.2		21.2	21.6
Racial Origin:				404		154		150	1.40
Canada			148	124		154		150	140
British Isles		•••••	$\frac{15}{31}$	$\begin{array}{c} 14 \\ 30 \end{array}$		$\frac{9}{21}$		15	$\begin{array}{c} 10 \\ 13 \end{array}$
Europe and Asia			4	30 —		<u></u>		2	$\frac{13}{2}$
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Neonatal disorders arising from certain diseases of mother during pregnancy	Haemolytic disease of newborn (erythroblastosis)			Immaturity with mention of any other subsidiary condition		Ill-defined and unknown causes of morbidity and mortality	Accidental poisoning by motor vehicle exhaust gas	Inhalation and ingestion of food causing obstruction or suffocation	Accidental mechanical suffocation in bed and cradle	TOTALS
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		osis, and Co olion	t neopla phatic a leoplasm Mellitu lesions	ingoc c Fe rheu	lerot sease sion sion	ia s ston	l obsidaci	of and sia c	al m juries	sasis s of	mati	, un dis bicle	r ac nd s		
		Tuberculosis, restruberculosis, oth Syphilis and its Whooping Cough Acute Poliomyel Measles		system Non-meningococcal Rheumatic Fever Chronic rheumatic	Arteriosclerotic, Other diseases o Hypertension wit Hypertension wit.	Influenza Pneumonia Bronchitis Ulcer of stomach	Intestinal obstruc Gastritis, duodeni cept diarrhoea	Cirrhosis of liver Nephritis and Nephrosis Hyperplasia of prostate	Computations of pregnar Congenital malformations Birth injuries, postnatal	Atelectasis Infections of the newbor Other diseases peculiar	and immaturity Senility without	denned, unknown cau All other diseases Motor vehicle accidents	All other accidents Suicide and self-infli Homicide, operations		
		Tube Syph Who Acut Meas	Mallghan of lym Benign r Diabetes Anaemias	sy Non- Rheu Chro	Arte Othe Hype Hype	Influ Pneu Bron Ulcei Anne	Intes Gast cel	Cirrl Nept Hype	Cong	At Infec Othe	an Senil	All (Moto	All Suici Hom		
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PRINCIPAL CAUSES OF DEATH, 1960

		Total	Male	Female	% of Total Deaths	Rate per 100,000 Population
420 - 434	Diseases of heart	531	356	175	30.6	197.1
140 - 205	Cancer	349	202	147	20.1	129.5
330 - 334	Vascular lesions affecting central nervous system	175	98	77	10.1	64.9
750 - 776	nervous system	174	111	63	10.1	64.9
800 - 999	External causes	138	102	36	8.0	51.2
490 - 491	Pneumonia	46	28	18	2.6	17.0
440 - 447	Hypertension	40	16	24	2.3	14.4
260	Diabetes Mellitus	24	17	7	1.4	8.9
, 0	Chronic Rheumatic heart disease	17	9	8	.9	6.3
410 - 416	Bronchitis	9	7	2	.5	3.3
500 - 502	All other causes	234	141	93		
	Total	1737	1087	650		

MORTALITY FROM HEART DISEASE

Year	_	otal aths	Deaths From Heart Disease	Percentage of Total Deaths	Rate per 100M Population
1960 1959 1958 1957		1737 1710 1565 1519	531 485 442 393 396	30.6 28.3 28.2 25.8 28.0	197.1 186.0 175.0 164.0 176.7

MORTALITY FROM CANCER

Year	Total Deaths	Deaths From Cancer	Percentage of Total Deaths	Rate per 100M Population
1960	 1737	349	20.1	129.5
	 1710	291	17.0	111.6
1958	 1565	26 9	17.7	106.6
		270	17.7	113.2
	 1412	259	18.3	115.6

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

Year	Total Deaths	Deaths From This Cause	Percentage of Total Deaths	Rate per 100M Population
	 1737	175	10.1	64.9
	1710	187	10.9	71.1
1959	 	162	10.3	64.0
	 1519	149	9.8	62.5
1957	 1412	131	9.2	65.6
1956	 1414	TOT	J.24	00.0

MORTALITY FROM TUBERCULOSIS

Year	Total Deaths	Deaths From Tuberculosis	Percentage of Total Deaths	Rate per 100M Population
	 1737	7	.14	3.3
1959	 1710	14	.82	5.3
1958	 1565	8	.05	3.1
1957	 1519	18	1.1	7.5
1956	 1412	10	.7	4.4

MORTALITY FROM PNEUMONIA

Year	Total Deaths	Deaths From Pneumonia	Percentage of Total Deaths	Rate per 100M Population
	1727	46	2.6	17.0
1960	1737		3.8	24.7
1959	1710	65		
1958	1565	48	3.0	19.4
	1519	46	3.0	19.3
		51	3.5	22.7
1956	1412	O.I.	0.0	A-1 A-1 1

Others

12		LOCAL	BUARI	OF F	TEALTH				
^	MORTAL	ITY F	ROM	EXTE	RNAL C	AUSI	E S		
1960 1737 1959 1710 1958 1565 1957 1519 1956 1412	Deaths 116 128 130 140 150 150 160 170 170 170 170 170 170 170 170 170 17	102 100 88 95 82	36 30 31 28 34	9pioins 19 24 23 22 24	epicide 4 2 2 4 3	9 S S S Automobile 2 S S S S S S S S S S S S S S S S S S	All Other 89 46 69 Accidents	8.8 9.7 of Deaths	21.5 Rate Per 21.00M Population Population Population Population Population Population Per 21.5 Per 21
			(•					
				1960	CLINIC 1959		958	1957	1956
No. of persons received No. persons receiving Total procedures Total attendance Phone calls Out of town persons Student days CLINICS HELD:	r reinforci	ng dose	es 23 11 2	9,564 7,905 7,948 6,443 3,337 1,323 276	59,203 8,267 269,640 159,610 21,579 2,184 275	7, 209, 133, 18, 1,	859 724 654 090 626 184 242	29,484 6,960 144,470 78,042 13,996 863 251	15,245 6,145 96,601 42,954 11,303 749 214
Main Clinic	ncence			252 187 251 78 251 114 251 63 152 35	250 291 250 119 250 148 250 79		251 261 250 100 250 132 187 46 June	251 193 250 60 250 58 ——————————————————————————————————	251 97 251 47 199 34
	IMA	MUNIZ	ATION	N REC	ORD 19		• ,•	a 1 1	TT 1.1
Diphtheria 1st dose Re-inforcing of Total doses Whooping Cough	doses	• • • • • • • • • • • • • • • • • • • •				9,0	nics 060 158	Serv	vice 79 55
1st dose Re-inforcing Total doses	doses		• • • • • • • • • • •			. 6,0	342 051 320		
Tetanus 1st dose Re-inforcing of Total doses	loses	• • • • • • • • • • • • •	, ,			6,4	483 415 338	79,2 $11,2$	
Re-inforcing of Total doses				••			500 63 438		
Smallpox vace	cinations	• • • • • • • •			• • • • • • • • • • • • • • • • • • • •	. 9,2	221	5,8	43
Poliomyelitis 1st dose Re-inforcing of Total doses	loses		•		• • • • • • • • • • • • • • • •	. 1,6	382	4 8,5 10,0	
Cholera 1st dose Total doses Typhus							141 270		
1st dose Total doses Rocky Mountain S		• • • • • • • • • • • • •					67 129		
1st dose Total doses .							4 16		

Total doses

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Chickenpox			:	:	:				:
	:	:	i		:	11		ည	:
Diphtheria Carriers		H	:	4	:	16	•	5	:
	27	H	:	က	:	,	•	ಣ	
Dysentery Carrier		:	i	:	:	:	•	•	
Encephalitis			:	•	-	-	·		,
Food Poisoning	4	10		-	ı	I	ı	9 8 0 0	•
Infectious Hepatitis			• •	4	•	:	:	•	:
Measles	1820 2	1061	-	669	•	4069	•	941	•
tis			1		:	2004	•	11.7	•
B	· -			•	•	:	:	:	•
D (Others an	1 00	•	•	•	•	•	•	•	•
	:)		:	•	-	:	:	•	
Paratyphoid Fever	-	:	:	-	4	:	:	•	•
U	46 46	: "	:		:	: C	: -	: 6	:
Ruhalla	910	0 000	•	T 00	:		⊣	13	:
	210	223	:	268	:	1329	:	123	
er and streptoc			:	132	:	202	:	165	:
s (Pulmonary)	51 6	72	12	75	ಬ	173	17	150	6
s (Pulmonary) In	57	29	:	75	:	:	:	:	•
	12 1	25	7	11	က	17	Н	23	-
Tuberculosis (Other Forms) Inactive		വ	:	က	:			}	I
Typhoid Fever	7	:	:					4	
r_		:	į	—				-	
Whooping Cough	92	168	:	233		147		191	:
VENEREAL DISEASE:				}	•	4	•	101	:
Gonorrhoea	1740	1716		1540		1394		1171	
Syphilis	74 2		-	37	: 87	45	: က	702	: 87
	4719 16	3807	16	3356	12	7349	9.4	2005	19
Morbidity per 1000 population	17.5	1/	75	28.1		308	, «	80	i 6
C—Cases D—Deaths					:	3	<u>;</u>	Š	5

1960
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	Total	Male	Female	Under 1	1/4	5/9	10/14	15/19	20/39	40/29	60 & Over	Stat- ed	Resi- dents
	6	-	_			-							9
Dyselluery (Comise)	1	٠,	4	•	•	{			-		:	:	•
Lysentery (carrier)	- 	4 673	-	-	:	-			-	:		:	ည
Food Folsoming	1 820	915	905	23	705	1.019	29	ಬ	ঝ		:	:	36
Meningitis A (Poliovirus)	9,7	2	4) :	4		•	:	-	_	•	:	010
B ((-		:	i	:	:		: '	, (:	•	:	1 17
A	18	12	9	7	ଷ୍	က ၂	21	, ,	<i>ක</i>	:	: +	•	<u>-</u> 1
tis	46	27	19	:	13	15	က (40	∞ α	. •	-	:	1.0
	210	104	106	19	99	94	19	ကင္	တင္		:	:	: 4
	596	304	292	9	137	310	101	Γħ	Ly L	4 ' F	•	•	0
Typhoid Fever	2	27	•	:	: 1	:	:	:	-	-	•	•	:
4	-	, 	:	:	_	•	:	:	•	•	Ī	:	:
Typhoid Fever Carrier	-	-	:	į	•	:	:	:	:	:	-	:	: -
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73	92	33	43	∞	30	31	_	:	1 (: 1	: (: 0	70
S	51	28	23	П	:	-		-	23		01;	n (•
(Pulmonary) I	22	32	25	i	:	:	. 1	 ₹	7.7	CT	14	က င	:
(other	. 12	4	∞ ,	:	•	:	-	⊣	· •	-	:	1	:
Tuberculosis (other forms) Inactive	-	•	—	:	:	:	•	:	⊣	:	:	:	:
VENEREAL DISEASE							,	(1			7	
Gonorrhoea	1,740	362	778	:	:	:	, 1	226	1,495	:	:	P -	:
Syphilis	. 74	47	27		:		-	4	99			4	•
TOTAL	4,719	2,480	2,239	95	958	1,447	167	265	1,668	34	28	27	142
DEATHS	,	•				٧							
X		-	*	•	:	-	:	:	•	•	Ţ	:	:
Infectious Hepatitis	디		: (•	: (:	•	:	:	:	-	:	:
Measles	. 23	:	2	:	77	:	:	:	:	: *	: *	•	:
Poliomyelitis	ന	က	:	:	:	-	:	:	:	⊣	⊣ ¢	•	:
Syphilis		7	:	:	:		:	:	:	: 0	N =	:	:
losis (Pulmo		വ	⊢ τ	:	:	:	•	:	:	7	# -	:	•
Tuberculosis (other forms)	7		-	•							4		
TOTAL	. 16	12	4		2	2		•	•	က	6		

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3	COMMUNICABLE	CABL	I DISEASE	ASE BY	U II	A NOON	AND SEX,		1,400							
	Total	Male	Female	.nst	Feb.	Магећ	lirqA	May	June	luly	.gnA	Sept.	Oct.	.voV	Dec. Non-	Resident
Dysentery (Carrier)	2 -		П						-	F				I i	1 .	
Eysemery (carrier) Food Poisoning	-1 44	- က	: -			:	:	: :	:	- C	:	•	:-	-		: 10
· <	1,820	915	905	403	408	226	217	203	180	71	33	14.	·	38	20	3 <u>6</u>
Meninglus A (Follovirus) Meninglis B (Coxsackie virus)	0	N -	4	⊣	:	:	:	:	:	÷		က	Н	:		c1 c
Α,	18	12	9	: : (: :	: :	: :	: :	: :	:01	4 9	ည	4	: :		1 1
Poliomyelitis Rubella	210	104	106	23 23 TC	25	9.4	<u> </u>	. 6	. rc	10	1 2 8	111	7 2	1 5	4	22
	596	304	292	92	101	113	92	57	31	0	9	11	10	32		9
Typhoid Fever Typhoid Fever Carrier		N -	:	:	:	П	1	:	: •	i	:	i	:	•	:	•
	→	- -	:	:	-	•	•	:	-	:	•	: :	:	:	:	:
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ngh h	92	333	43	-	17	က	12	∞	7	10	9	: 				$2\tilde{0}$
Tuberculosis (Pulmonary) Active	51	∞ ? ?	25 c		c	ကပ	4.	Ξ,	- -1 L	ന	ପ -	1 –1	9	% 1		:
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VENEREAL DISEASE	1	0	1	(1	1	1	,								
Syphilis	1,740 74	962	778	126 8	175 8	140 14	176	121 6	187 6	$114 \\ 1$	$\begin{array}{c} 148 \\ 2 \end{array}$	149 	134 . 4	139 6	131 3	:
DEATHS	4,719	2,480	2,239	699	745	533	528	425	429							142
xodu		Н	•	:	:	:	:	:	•	:	•	:	:			:
Intectious Hepatitis	— с		: 0	:	Ţ	Ť	:	÷	:		:	i	•	:	:	:
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Syphilis	0 0	ର ସ	:	:	•	:	-	4	-	:	:	:	:	:	1	:
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(Other			7		î	:	:	:	•			1	•	:		:
TOTAL	16	12	4	:	П	7	2	1	က	1	2	1	:		က	
																1

**Includes Inactive Cases

TUBERCULOSIS CONTROL							
	1960	1959	1958	1957	1956		
*Cases—Pulmonary Tuberculosis	108	139	150	173	150		
**All other forms of T.B.	13	30	14	17	23		
Rates per 100,000 population							
Pulmonary Tuberculosis	40.1	53.3	59.5	72.5	66.9		
All other forms of T.B.	4.0	11.5	5.5	7.0	10.2		
Deaths—Pulmonary Tuberculosis	. 6	12	5	17	9		
All others forms of T.B.	. 1	2	3	1	1		
*Includes Inactive Cases							



KINSMEN'S CLU	SERVIC	E		
196	0 1959	1953	1957	1956
Total visits by Nurse 2,81	3,100	4,466	4,349	4,955
Visits to homes	5 733	954	1,510	1,927
Visits to T.B. Cases 57	8 688	915	862	907
Visits to contact cases 1,53	5 1,583	2,421	1,814	1,922
Observation, co-operative visits	5 96	176	153	199
Tuberculin tests in homes 2,60	4 709	1,799	573	1,956
CHEST SURVEY—City Hall 9,89	9,934	7,879	6,922	(8 mos.)
Industrial 10,95	6 10,123	9,029	2,961	
Edmonton East 4,77	5 —			
25,62	29 20,057	16,908	9,883	

SCHOOL HEALTH SERVICES, 1960

In 1960 pupils attending schools served by the Health Department totalled 57,490, an increase of 4,000 over the 1959 figure. The employment of three more district nurses raised the staff establishment to thirty-eight.

Periodic examinations by the Medical Officers covered Grades I, V and X, and all entrants to the school system. In selected schools the Grade V examinations were omitted and increased stress was placed on the identification and follow-up of students with health problems; if this approach should prove itself on a long-term basis, it will be applied more widely.

Routine audiometry continued in Grade IV. Of all those tested it was found necessary to make individual audiograms for about 3%—a figure in close accord with experience elsewhere.

Eighty-one children of indigent parents were provided with ophthalmic examinations and with spectacles where necessary.

The immunization program was maintained at the normal level, protection being offered against poliomyelitis, diphtheria, tetanus and smallpox. It is a pleasure to acknowledge the high degree of parental co-operation obtained.

For the second year in succession there were no cases of diphtheria recorded in children of school age. Of some thousand cases of measles, more than half occurred in the last three months of the year. Poliomyelitis was epidemic from July to October, and sixteen students were attacked.

5,687 Tuberculin Vollmer Patch Tests were applied, mainly to children in Grade I and V: thirty-five positive reactors were referred to the Tuberculosis Division of the Provincial Health Department for further investigation. It is anticipated that routine testing will soon be extended to include Grade X.

Five new cases of tuberculosis in school age children were reported.

During the year the names of twenty-eight school children in the City were added to a list of those receiving prophylactic penicillin under the Provincial Department of Health's scheme for the prevention of rheumatic fever. There are now altogether 140 pupils being so cared for, which would suggest that the incidence of rheumatic fever among the students is approximately 0.25%.



Examinations by Medical Officers:

Complete periodic examinations	18,326
Examinations on special referral	765
Re-examinations	268
Total number of examinations	19,375
*Number of pupils with defects	8,268
Parents invited to examinations	13,580
Parents present at examinations	8,399
Pupils referred to physicians	897
Pupils referred to dentists	902
*Excluding teeth)	

Examinations by Nurses:				
Periodic examinations				28,034
Examinations on special referral				35,094
Re-examinations				14,264
Partial examinations				122,658
Total number of examinations				206,879
Number of pupils with defects				38,893
Pupils referred to physicians				4,748
Pupils referred to dentists				3,208
School Nursing Services				
* · · · · · · · · · · · · · · · · · · ·				E 059
Home visits				5,952 490
Consultations with physicians Consultations with teachers				
Consultations with teachers				18,866 11,165
Consultations with others				4,644
				Í
Pupils given first aid				16,254
Lectures and Talks				505
Student days	• • • • • • • • • • • • • • • • • • • •	•••••	• • • • • • • • • • • • • • • • • • • •	184
Audiometric Tests	• • • • • • • • • • • • • • • • • • • •	••••••		6,829
Failures	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •		192
Dental Services				
				0.010
Number of operations				9,312
Number of cases completed		• • • • • • • • • • • • • • • •	• • • • • • • • • • • •	516
Dental Survey (Grades 1, 2, 3, 4, 6 and 8)		,		
Number of schools visited				136
Number of children examined				37,292
Number of children with defective tee				26,716
Number of children without defective	teeth	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • •	10,576
		/		
\Rightarrow				
VICTORIAN ORDER	OF NIIP	SES		
1960	1959	1958	1957	1056
Prenatal care 3	1909	1900	1957	1956
Prenatal instructions 1	3	5	6	5 26
Postnatal care	10	6	1	3
Postnatal instructions	2,130	2,156	2,094	1,887
Newborn care	69	243	203	219
Newborn instructions	2,116	2,071	1,832	2,007
Medical and Surgical, etc14,814	14,902	14,657	14,407	9,802
Total visits	19,230	19,139	18,534	16,544
Prenatal clinics held	49	48	60	35
Enrolment	397			
Total attendance	1,406	1,561	2,052	1,154
Average attendance	30	32	33	33

WELL BABY AND PRE-	SCHOOL	CLINICS	S—1956 ·	TO 1960	
	1960	1959	1958	1957	1956
Total attendance	37,783	36,458	33,672	28,011	25,413
Under 1 year	23,582	23,314	22,844	19,133	17,767
1 to 6 years	14,201	13,144	10,828	8,878	7,646
Out of town	2,394	1,844	1,292	1,128	959
Number of Clinics held					
Main Clinic	251	250	250	250	251
Average daily attendance	32	37	40	44	47
Average monthly attendance	676	772	837	916	987
South Side Clinic	251	250	250	250	251
Average daily attendance	29	37	38	36	31
Average monthly attendance	612	764	782	750	715
Woodcroft Clinic	251	250	250	250	199
Average daily attendance	41	43	40	32	25
Average monthly attendance	865	892	830	668	525
Eastwood Clinic	251	250	187	(Ope	ened
Average daily attendance	33	29	23	April 1	st, 1958)
Average monthly attendance	610	611	476		
Idylwylde Clinic	154	(Opened	June 1st	t, 1960)	
Idylwylde Clinic		(Opened	June 1st	t, 1960)	
• •	24	(Opened	June 1st	t, 1960)	
Average daily attendance	24 500	(Opened 146	June 1st	t, 1960) 112	101
Average daily attendance	24 500 151	146	135	112	
Average daily attendance	24 500 151 3,149	146 3,038	135 2,806	112 2,334	2,118
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions	24 500 151 3,149 7,823	146 3,038 7,548	135 2,806 7,104	112 2,334 6,320	2,118 6,174
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year	24 500 151 3,149 7,823 6,051	146 3,038 7,548 5,774	135 2,806 7,104 5,469	2,334 6,320 4,712	2,118 6,174 4,633
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year 1 to 6 years	24 500 151 3,149 7,823 6,051 1,772	3,038 7,548 5,774 1,774	135 2,806 7,104 5,469 1,635	2,334 6,320 4,712 1,608	2,118 6,174 4,633 1,541
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year 1 to 6 years Re-admissions	24 500 151 3,149 7,823 6,051 1,772 358	3,038 7,548 5,774 1,774 386	135 2,806 7,104 5,469 1,635 266	2,334 6,320 4,712 1,608 269	2,118 6,174 4,633 1,541 273
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year 1 to 6 years Re-admissions Discharged	24 500 151 3,149 7,823 6,051 1,772 358 6,511	3,038 7,548 5,774 1,774 386 5,826	135 2,806 7,104 5,469 1,635 266 5,623	2,334 6,320 4,712 1,608 269 4,859	2,118 6,174 4,633 1,541 273 5,086
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year 1 to 6 years Re-admissions Discharged No. of active charts transferred	24 500 151 3,149 7,823 6,051 1,772 358 6,511 1,278	3,038 7,548 5,774 1,774 386 5,826 756	135 2,806 7,104 5,469 1,635 266 5,623 976	2,334 6,320 4,712 1,608 269 4,859 498	2,118 6,174 4,633 1,541 273 5,086 808
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year 1 to 6 years Re-admissions Discharged No. of active charts transferred No. of retired charts transferred	24 500 151 3,149 7,823 6,051 1,772 358 6,511 1,278 159	3,038 7,548 5,774 1,774 386 5,826 756 138	2,806 7,104 5,469 1,635 266 5,623 976 123	2,334 6,320 4,712 1,608 269 4,859 498 79	2,118 6,174 4,633 1,541 273 5,086 808 106
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year 1 to 6 years Re-admissions Discharged No. of active charts transferred No. of retired charts transferred Total remaining on Roll	24 500 151 3,149 7,823 6,051 1,772 358 6,511 1,278 159 20,794	3,038 7,548 5,774 1,774 386 5,826 756 138 19,282	135 2,806 7,104 5,469 1,635 266 5,623 976 123 17,560	2,334 6,320 4,712 1,608 269 4,859 498 79 16,079	2,118 6,174 4,633 1,541 273 5,086 808 106 14,119
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year 1 to 6 years Re-admissions Discharged No. of active charts transferred No. of retired charts transferred Total remaining on Roll Home visits	24 500 151 3,149 7,823 6,051 1,772 358 6,511 1,278 159 20,794 4,633	3,038 7,548 5,774 1,774 386 5,826 756 138 19,282 4,140	2,806 7,104 5,469 1,635 266 5,623 976 123 17,560 3,473	2,334 6,320 4,712 1,608 269 4,859 498 79 16,079 2,767	2,118 6,174 4,633 1,541 273 5,086 808 106 14,119 2,728
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year 1 to 6 years Re-admissions Discharged No. of active charts transferred No. of retired charts transferred Total remaining on Roll Home visits Telephone calls	24 500 151 3,149 7,823 6,051 1,772 358 6,511 1,278 159 20,794 4,633 18,305	3,038 7,548 5,774 1,774 386 5,826 756 138 19,282	135 2,806 7,104 5,469 1,635 266 5,623 976 123 17,560	2,334 6,320 4,712 1,608 269 4,859 498 79 16,079	2,118 6,174 4,633 1,541 273 5,086 808 106 14,119
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year 1 to 6 years Re-admissions Discharged No. of active charts transferred No. of retired charts transferred Total remaining on Roll Home visits Telephone calls Phenylketonuria tests	24 500 151 3,149 7,823 6,051 1,772 358 6,511 1,278 159 20,794 4,633 18,305 7,852	3,038 7,548 5,774 1,774 386 5,826 756 138 19,282 4,140 16,696 —	2,806 7,104 5,469 1,635 266 5,623 976 123 17,560 3,473 15,078	2,334 6,320 4,712 1,608 269 4,859 498 79 16,079 2,767 13,001	2,118 6,174 4,633 1,541 273 5,086 808 106 14,119 2,728 10,175
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year 1 to 6 years Re-admissions Discharged No. of active charts transferred No. of retired charts transferred Total remaining on Roll Home visits Telephone calls Phenylketonuria tests Number seen by doctor	24 500 151 3,149 7,823 6,051 1,772 358 6,511 1,278 159 20,794 4,633 18,305 7,852 678	3,038 7,548 5,774 1,774 386 5,826 756 138 19,282 4,140 16,696 — 654	2,806 7,104 5,469 1,635 266 5,623 976 123 17,560 3,473 15,078 — 572	2,334 6,320 4,712 1,608 269 4,859 498 79 16,079 2,767 13,001 — 627	2,118 6,174 4,633 1,541 273 5,086 808 106 14,119 2,728 10,175 — 819
Average daily attendance Average monthly attendance Total average attendance (5 clinics) Total average monthly attendance (5 clinics) Total new admissions Under 1 year 1 to 6 years Re-admissions Discharged No. of active charts transferred No. of retired charts transferred Total remaining on Roll Home visits Telephone calls Phenylketonuria tests	24 500 151 3,149 7,823 6,051 1,772 358 6,511 1,278 159 20,794 4,633 18,305 7,852 678 690	3,038 7,548 5,774 1,774 386 5,826 756 138 19,282 4,140 16,696 —	2,806 7,104 5,469 1,635 266 5,623 976 123 17,560 3,473 15,078	2,334 6,320 4,712 1,608 269 4,859 498 79 16,079 2,767 13,001	2,118 6,174 4,633 1,541 273 5,086 808 106 14,119 2,728 10,175

Physicians were in charge at the Main Clinic two afternoons a week and one afternoon a week at the four other clinics.

SANITATION

INSPECTIONS:		
Daniell's st	1960 71	1959 141
Dwellings Hotels, lodging houses, apartment blocks	, -	473
Schools, blocks, public buildings	105	185
Stores, bakeshops, business establishments		2,793
Restaurants		3,241
Garbage cans, etc.	68	102
Streets, lanes, yards, dumps, etc.	4	12
Aged homes	10	8
Miscellaneous (including barber shops, beauty parlors,		4 004
auto courts and service stations)		1,061
Public Health Education lectures	36	31
	8,328	8,047
Re-inspections .	146	215
Re-mspections	140	aro
NOTICEC.		
NOTICES:		
Written		60
Verbal	2,626	3,295
COMPLAINTS:		
Received from public	463	361
Justified	0.04	280
Received from other departments		11
Referred to other departments		9
The complaints were made up as follows:		
Garbage, streets, lanes, etc.	95	80
Vermin		32
Housing, plumbing and drainage		102
Food and drink		34
Miscellaneous	143	113
LICENSES:		
License applications investigated	3,693	3,603
PLUMBING:		
Sewer and water notices issued	15	14
Extension of time granted		
Plumbing permits issued		3,801
Plumbing permits issued for old buildings		46
Alterations to existing plumbing (fixtures)		2,304
Privies eliminated through installation of plumbing		46
Number of septic tanks installed	_	6

ANIMALS, BARNS, STYS		
	1960	1959
Cow owners	8	10
Hog owners	10	10
Goat owners	1	1
Fur farm owners		
FOOD:		
Samples submitted to Provincial Laboratory	2	13
Foodstuffs condemned (pounds)	149	79
WATER:		
Water samples taken	6	4
Negative	5	4
*Positive	1	Morrowale
Wells chlorinated		
Wells condemned	_	
*Wells condemned or further samples taken after chlor	ination.	
POISON GAS FUMIGATION:		
ENFORCEMENT OF REGULATIONS:		
Prosecutions	_	
ESTABLISHMENTS CLOSED		_
Number of student days	68	31

FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

MEATS INSPECTED A	ND CONDEMIN		
Beef:	1960	1959	1958
Number of carcasses inspected	6,533	6,547	7,991
Carcasses condemned	17	16	15
Portions condemned	656	602	698
Weight (lbs.) of carcasses and			
portions condemned	14,285	13,825	13,165
Veal:			
Number of carcasses inspected	974	851	1,183
Carcasses condemned			1
Portions condemned	18	17	6
Weight (lbs.) of carcasses and			
portions condemned	100	140	180
AA 11			
Mutton:			
Number of carcasses inspected		68	80
Carcasses condemned			
Portions condemned	5	2	12
Weight (lbs.) of carcasses and			
portions condemned	25	10	60
Pork:			
Number of carcasses inspected	18,703	17,915	11,088
Carcasses condemned	3	6	1
Portions condemned	2,000	1,631	1,149
Weight (lbs.) of carcasses and			
portions condemned	16,210	13,615	11,165

CARCASSES FOUND TO BE INFECTED WITH T.B.

Beet:			
Infected	 		(decreased)
Percent	 		
Pork:			
Infected	 1,157	816	757
Percent	 6.18	4.55	6.83

CHIEF CAUSES OF CONDEMI	NATION, 1	960	
Beef:	Carcasses	Portions	Weight (lbs.)
		481	4,810
Abscess Multiple		21	210
Actinomycosis		154	3,080
Bruised Extensive			275
Emaciation			420
Malignant Tumors	_		300
Parturient	·		300
Uraemia	_		575
Melanosis	. 1		210
Septicemia	. 9		3,505
Septicemia and Nephritis	. 1		600
	17	656	14,285
Veal:			
Actinomycosis	_	1	10
Adhesions		17	90
	—	18	100
Advillage			
Mutton:			4.0
Abscess		2	10
Parasites		2	10
Adhesions		1	5
		5	25
Pork:			
Bruised	<u> </u>	4	80
Parasites		863	4,330
Septicemia		19	220
Tuberculosis		1,106	11,400
Contamination	-	6	180
	3	1,998	16,210
DISEASED ANIMA			
	1960	1959	1958
Beef		575	689
Veal		$egin{array}{c} 16 \ 2 \end{array}$	6
Mutton		_	1 005
Pork Total amount of meat condemned (lbs.)	•	1,589 27,590	1,095
Total amount of meat condemned (ibs.)	30,020	21,590	24,570
*FOODSTUFFS CONDEMNED BY	Y INSPECT	TORS	
	1960	1959	1958
Poultry	-	5	12
Damaged by fire, flood, etc.		74	_
Fish			
*Pounds	149	7 9	12

MILK AND WATER REPORT

	196	1960		1959	
	Total No. Premises	No. of Inspections	Total No. Premises	No. of Inspections	
Inspections:	Tremises	Inspections	rremises	Inspections	
Producer-shippers, milk	468	1,203	464	1,175	
Producer-shippers, cream		65	63	52	
Producers—Contacts		208		287	
Pasteurization Plants—Contacts		211		216	
Pasteurization Plants		231	6	224	
Vehicles		200		491	
Others, Complaints, etc.	• •	13		8	
Licenses and Demoite.					
Licenses and Permits: Retail milk certificates issued		COD		075	
Dairy Licenses issued		692 530		675	
Dairy Licenses issued		529		535 1	
Dairy Licenses suspended temporaril		$rac{4}{2}$		5	
Permits issued to cow keepers in the	*	4		J	
city		10		10	
Samples:					
Milk samples taken, retail	••	1,226		1,355	
Milk samples taken, shippers	••	5,850		8,447	
Cream samples taken		229		246	
Chocolate Milk samples		114		141	
Ice cream samples	• •	16		8	
TESTS—Milk:					
Standard Plate Counts	••	$1,\!227$		1,355	
Coliform tests	• •	1,169		1,174	
Phosphatase tests	• •	1,029		996	
Methylene blue tests		5,850		8,447	
*Butterfat Tests	• •	1,227		1,355	
Restaurants:					
Swab tests of utensils	••	716		1,123	
Water:					
Standard plate counts	• •	1,096		1,280	
Coliform tests		1,096		1,280	
Chlorine content checks		254		254	
Raw river water plate counts		6		27	
Swimming Pools:					
		E40		004	
Plate counts		540 540		394	
Inspections		540 475		394	
Inspections		475		274	
Student Days	• • •	31		31	



